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L11: Entry 40 of 49

File: JPAB

Feb 20, 1996

PUB-NO: JP408047784A

DOCUMENT-IDENTIFIER: JP 08047784 A

TITLE: MARKING METHOD OF BLISTER PACKAGING SHEET

PUBN-DATE: February 20, 1996

INVENTOR-INFORMATION:

NAME

COUNTRY

KIYOSAKI, TOSHIO

ASSIGNEE-INFORMATION:

NAME

COUNTRY

CKD CORP

APPL-NO: JP06184641

APPL-DATE: August 5, 1994

INT-CL (IPC): B23 K 26/00; B65 D 25/20; B65 D 75/36

ABSTRACT:

PURPOSE: To obtain the marking method easy for change of display as well as visually dis criminative by using PVC for container film and gas laser light for laser light in blister packaging.

CONSTITUTION: In a blister packaging line, a laser beam marking device 10 has a laser oscillator 11 and irradiating part 12 of laser beam, marking is executed by aligning/scanning a beaming spot to a marking shape. By using PVC for container film F, irradiation of laser beam makes the irradiated part to sublimate or evaporate to form recessed part and discolor the surface. CO2 laser beam having the wave length suitable for film heating is used for laser beam. Further, because CO2 laser beam can heat film by a wave length of 10μm, the marking, which is easy for changing display such as commodity description, lot number, etc., and visually dis criminative, is made possible.

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L11: Entry 46 of 49

File: DWPI

Feb 20, 1996

DERWENT-ACC-NO: 1996-166547
DERWENT-WEEK: 199617
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TITLE: Marking for blister packaging sheet - using laser to apply marks

PATENT-ASSIGNEE:

| | |
|----------|------|
| ASSIGNEE | CODE |
| CKD KK | CKDC |

PRIORITY-DATA: 1994JP-0184641 (August 5, 1994)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|---------------|-------------------|----------|-------|------------|
| JP 08047784 A | February 20, 1996 | | 004 | B23K026/00 |

APPLICATION-DATA:

| PUB-NO | APPL-DATE | APPL-NO | DESCRIPTOR |
|-------------|----------------|----------------|------------|
| JP08047784A | August 5, 1994 | 1994JP-0184641 | |

INT-CL (IPC): B23 K 26/00; B65 D 25/20; B65 D 75/36

ABSTRACTED-PUB-NO: JP08047784A
BASIC-ABSTRACT:

To conduct the marking for a blister packaging sheet, a laser beam is used to apply marks, including product names to the vessel film of the blister packaging sheet. The film is of polyvinyl chloride, and the laser is a gas laser beam.

USE - To conduct marking for a blister packaging sheet, resulting in simplification of the marking process.

CHOSEN-DRAWING: Dwg.1/4

TITLE-TERMS: MARK BLISTER PACKAGE SHEET LASER APPLY MARK

DERWENT-CLASS: A14 A35 A92 P55 Q32 Q34 X25

CPI-CODES: A04-E02D; A11-C04E; A12-P06C;

EPI-CODES: X25-F;

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1] 018 ; R00338 G0544 G0022 D01 D12 D10 D51 D53 D58 D69 D82 C1 7A ; H0000 ; S9999 S1285*R ; S9999 S1581 ; P1796 P1809 Polymer Index [1.2] 018 ; Q9999 Q8504 Q8366 ; N9999 N6257 ; K9858 K9847 K9790 ; N9999 N7227 N7023 ; B9999 B5492 B5403 B5276 ; ND07

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1996-052360

Set Name Query
side by side

Hit Count Set Name
result set

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR

| | | | |
|------------|---|--------|------------|
| <u>L11</u> | L10 same l4 | 49 | <u>L11</u> |
| <u>L10</u> | ((laser\$1 or beam\$1) near20 (mark\$4 or print\$4)) | 98818 | <u>L10</u> |
| <u>L9</u> | L8 and l3 | 125 | <u>L9</u> |
| <u>L8</u> | l4 same (metal or metallic or foil or aluminum) | 4829 | <u>L8</u> |
| <u>L7</u> | L3 same l4 | 87 | <u>L7</u> |
| <u>L6</u> | L5 and l3 | 439 | <u>L6</u> |
| <u>L5</u> | l4 same (weld\$3 or seal\$5 or mark\$4 or cut or cutting or separat\$6 or hole\$1 or opening\$1) | 14655 | <u>L5</u> |
| <u>L4</u> | ((blister or bubble or pill or dosage) near8 (pack\$8 or strip\$8 or sheet\$1 or contain\$5)) | 70902 | <u>L4</u> |
| <u>L3</u> | ((laser\$1 or beam\$1) near20 (weld\$3 or seal\$5 or mark\$4 or cut or cutting or separat\$6 or hole\$1 or opening\$1)) | 243492 | <u>L3</u> |
| <u>L2</u> | L1 same (metal or metallic or foil or aluminum) | 2693 | <u>L2</u> |
| <u>L1</u> | ((blister or bubble or pill or dosage) near8 (pack\$8 or strip\$8 or sheet\$1)) | 21164 | <u>L1</u> |

END OF SEARCH HISTORY